



Multifamily Housing

13A

Alarms

PLAN CHECK NUMBER:

OWNER:

VISIBLE ALARMS

1. Where fire alarm coverage required by CBC 907, identify location of visible alarms (strobe lights) in the following common-use areas:

- ☐ Corridors and hallways
- ☐ Lobbies
- ☐ Toilet and bathing facilities
- ☐ Meeting and conference rooms
- ☐ Filing, photocopy, and employee break rooms
- ☐ Dining rooms and cafeterias
- ☐ Multipurpose rooms
- ☐ Classrooms
- ☐ Gymnasiums
- ☐ Locker rooms
- ☐ Band and music practice rooms
- ☐ Occupational shops
- ☐ Other occupied rooms where ambient noise impairs hearing of fire alarm
- ☐ Other common-use areas

Exception: Visible alarms not required in alterations unless fire alarm system is added, upgraded, or replaced

Exception: Visible alarms not required in enclosed exit

stairways, exterior exit stairs, or exterior exit ramps

CBC 907 9 1 1

2. Where employee work areas require audible alarm coverage, specify notification appliance circuits serving employee work areas shall be designed with minimum 20-percent spare capacity to support adding visible notification devices in future to accommodate any hearing-impaired employees.

CBC 907.9.1.2

AUDIBLE ALARMS

- 3.** Where fire alarm coverage required by CBC 907, specify audible alarms complying with the following:

- ❑ Sound distinctive alert not used for any purpose other than firm alarm
 - ❑ In every occupied space within building, provide sound pressure level of 15 decibels above average ambient sound level or 5 decibels above maximum sound level having minimum 60-second duration, whichever is greater
 - ❑ Minimum sound pressure levels per the following:
 - 75 decibels in I-1 and R occupancies
 - 90 decibels in mechanical equipment rooms
 - 60 decibels in all other occupancies
 - ❑ Maximum sound pressure level of 110 decibels at minimum hearing distance from audible alarm notification appliance
 - ❑ Audible signal shall be standard firm alarm evacuation signal, ANSI S3.41 Audible Emergency Evacuation Signal, "three pulse temporal pattern," as described in NFPA 72
- Exception:** Where average ambient sound level greater than 95 decibels, visible alarms shall be provided in lieu of audible alarms

CBC 907.9.2

ADDITIONAL REQUIREMENTS

**THIS DOCUMENT IS FOR PLAN REVIEW ONLY.
CORRECTION LIST ITEMS MAY NOT BE REPRODUCED OR COPIED ON PLANS.
PROVIDE COMPLETE DETAILS, DIMENSIONS, AND NOTES TO SATISFY CORRECTION ITEMS.**